

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/671,773C
Source: IFW/6
Date Processed by STIC: 11/9/04

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/09/2004

PATENT APPLICATION: US/09/671,773C

TIME: 16:29:58

Input Set : A:\MSB 7272.ST25.txt

Output Set: N:\CRF4\11092004\I671773C.raw

3 <110> APPLICANT: Pan, Clark

4 Tsutsumi, Manami

5 Shanafelt, Armen B.

7 <120> TITLE OF INVENTION: Pituitary Adenylate Cyclase Activating Peptide (PACAP)

Receptor 3

8 (R3) Agonists an Their Pharmacological Methods of Use

10 <130> FILE REFERENCE: MSB 7272P2

12 <140> CURRENT APPLICATION NUMBER: US 09/671,773C

13 <141> CURRENT FILING DATE: 2000-09-27

15 <150> PRIOR APPLICATION NUMBER: US 09/595,280

16 <151> PRIOR FILING DATE: 2000-06-15

18 <150> PRIOR APPLICATION NUMBER: US 09/407,832

19 <151> PRIOR FILING DATE: 1999-09-28

21 <160> NUMBER OF SEQ ID NOS: 343

23 <170> SOFTWARE: PatentIn version 3.3

25 <210> SEQ ID NO: 1

26 <211> LENGTH: 28

27 <212> TYPE: PRT

28 <213> ORGANISM: Artificial

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31 <223> OTHER INFORMATION: Synthetic Construct

34 <220> FEATURE:

35 <221> NAME/KEY: MOD_RES

36 <222> LOCATION: (28)..(28)

37 <223> OTHER INFORMATION: AMIDATION

39 <400> SEQUENCE: 1

41 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln

42 1 5 10 15

45 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn

46 20 25

49 <210> SEQ ID NO: 2

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55 <223> OTHER INFORMATION: Synthetic Construct

58 <220> FEATURE:

59 <221> NAME/KEY: MOD_RES

60 <222> LOCATION: (38)..(38)

61 <223> OTHER INFORMATION: AMIDATION

63 <400> SEQUENCE: 2

65 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln

66 1 5 10 15

69 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys

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73 Gln Arg Val Lys Asn Lys
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77 <210> SEQ ID NO: 3
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88 <222> LOCATION: (30)..(30)
89 <223> OTHER INFORMATION: AMIDATION
91 <400> SEQUENCE: 3
93 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
94 1          5          10          15
97 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
98          20          25          30
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112 <222> LOCATION: (39)..(39)
113 <223> OTHER INFORMATION: AMIDATION
115 <400> SEQUENCE: 4
117 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
118 1          5          10          15
121 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
122          20          25          30
125 Ser Gly Ala Pro Pro Pro Ser
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132 <213> ORGANISM: Artificial
134 <220> FEATURE:
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141 <223> OTHER INFORMATION: ACETYLATION
143 <220> FEATURE:
144 <221> NAME/KEY: MISC_FEATURE
145 <222> LOCATION: (17)..(17)
146 <223> OTHER INFORMATION: Nle

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148 <220> FEATURE:
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150 <222> LOCATION: (31)..(31)
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174 <222> LOCATION: (1)..(1)
175 <223> OTHER INFORMATION: ACETYLATION
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179 <222> LOCATION: (31)..(31)
180 <223> OTHER INFORMATION: AMIDATION
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184 His Ser Asp Ala Val Phe Thr Glu Asn Tyr Thr Lys Leu Arg Lys Gln
185 1 5 10 15
188 Leu Ala Ala Lys Lys Tyr Leu Asn Asp Leu Lys Lys Gly Gly Thr
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203 <222> LOCATION: (1)..(1)
204 <223> OTHER INFORMATION: ACETYLATION
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212 Leu Ala Ala Lys Lys Tyr Leu Asn Asp Leu Lys Lys Gly Gly Thr
213 20 25 30
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217 <211> LENGTH: 31
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Synthetic Construct

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227 <222> LOCATION: (1)..(31)
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235 Leu Ala Ala Lys Lys Tyr Leu Asn Asp Leu Lys Lys Gly Gly Thr
236          20          25          30
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245 <223> OTHER INFORMATION: Synthetic Construct
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250 <222> LOCATION: (1)..(1)
251 <223> OTHER INFORMATION: ACETYLATION
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255 <222> LOCATION: (10)..(10)
256 <223> OTHER INFORMATION: Xaa is methoxy-Tyr
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260 <222> LOCATION: (17)..(17)
261 <223> OTHER INFORMATION: Nle
263 <220> FEATURE:
264 <221> NAME/KEY: MOD_RES
265 <222> LOCATION: (28)..(28)
266 <223> OTHER INFORMATION: AMIDATION
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W--> 270 His Ser Asp Ala Val Phe Thr Glu Asn Xaa Thr Lys Leu Arg Lys Gln
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274 Xaa Ala Ala Lys Lys Tyr Leu Asn Asp Leu Lys Lys
275          20          25
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280 <212> TYPE: PRT
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289 <222> LOCATION: (1)..(28)
291 <400> SEQUENCE: 10
293 His Ser Asp Ala Val Phe Thr Glu Asn Tyr Thr Lys Leu Arg Lys Gln
294 1          5          10          15
297 Leu Ala Ala Lys Lys Tyr Leu Asn Asp Leu Lys Lys
298          20          25

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Input Set : A:\MSB 7272.ST25.txt

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312 <222> LOCATION: (28)..(28)
313 <223> OTHER INFORMATION: AMIDATION
315 <400> SEQUENCE: 11
317 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
318 1 5 10 15
321 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Lys Lys
322 20 25
325 <210> SEQ ID NO: 12
326 <211> LENGTH: 31
327 <212> TYPE: PRT
328 <213> ORGANISM: Artificial
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331 <223> OTHER INFORMATION: Synthetic Construct
334 <220> FEATURE:
335 <221> NAME/KEY: PEPTIDE
336 <222> LOCATION: (1)..(31)
338 <400> SEQUENCE: 12
340 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
341 1 5 10 15
344 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Lys Lys Gly Gly Thr
345 20 25 30
348 <210> SEQ ID NO: 13
349 <211> LENGTH: 31
350 <212> TYPE: PRT
351 <213> ORGANISM: Artificial
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Synthetic Construct
357 <220> FEATURE:
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359 <222> LOCATION: (1)..(31)
361 <400> SEQUENCE: 13
363 His Ser Asp Ala Val Phe Thr Glu Asn Tyr Thr Lys Leu Arg Lys Gln
364 1 5 10 15
367 Leu Ala Ala Lys Lys Tyr Leu Asn Asp Leu Leu Asn Gly Gly Thr
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371 <210> SEQ ID NO: 14
372 <211> LENGTH: 31
373 <212> TYPE: PRT
374 <213> ORGANISM: Artificial
376 <220> FEATURE:
377 <223> OTHER INFORMATION: Synthetic Construct

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/671,773C

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Input Set : A:\MSB 7272.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 17
Seq#:9; Xaa Pos. 10,17

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
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VERIFICATION SUMMARY

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L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16

L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0

M:341 Repeated in SeqNo=9